



**I-95 AT ELLIS ROAD
PD&E STUDY**

APPENDIX B

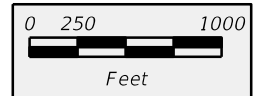
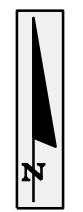
PREFERRED ALTERNATIVE





**ELLIS ROAD
PROJECT DEVELOPMENT AND ENVIRONMENT STUDY
INDEX OF SHEETS**

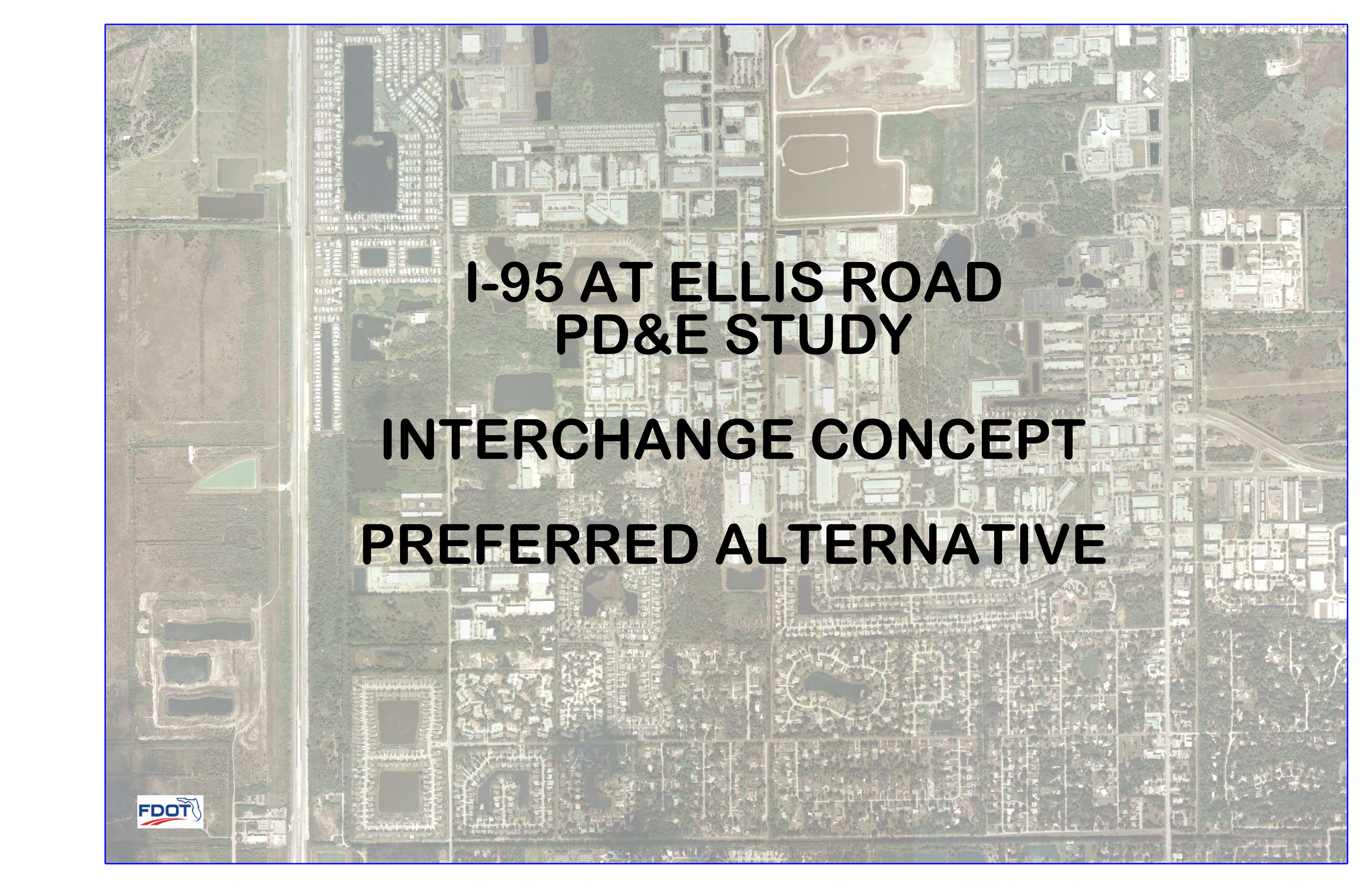
SHEET NUMBER	SHEET DESCRIPTION
i	APPENDIX B INDEX OF SHEETS
B-1 - B-10	INTERCHANGE - ELLIS ROAD / I-95 - (PREFERRED ALTERNATIVE)
B-11 - B-17	STANDARD 45 mph URBAN BEST FIT - (PREFERRED ALTERNATIVE)
B-18 - B-19	PREFERRED ALTERNATIVE ALIGNMENT DESCRIPTION



**ELLIS ROAD
PROJECT DEVELOPMENT AND ENVIRONMENT STUDY**

APPENDIX B INDEX OF SHEETS

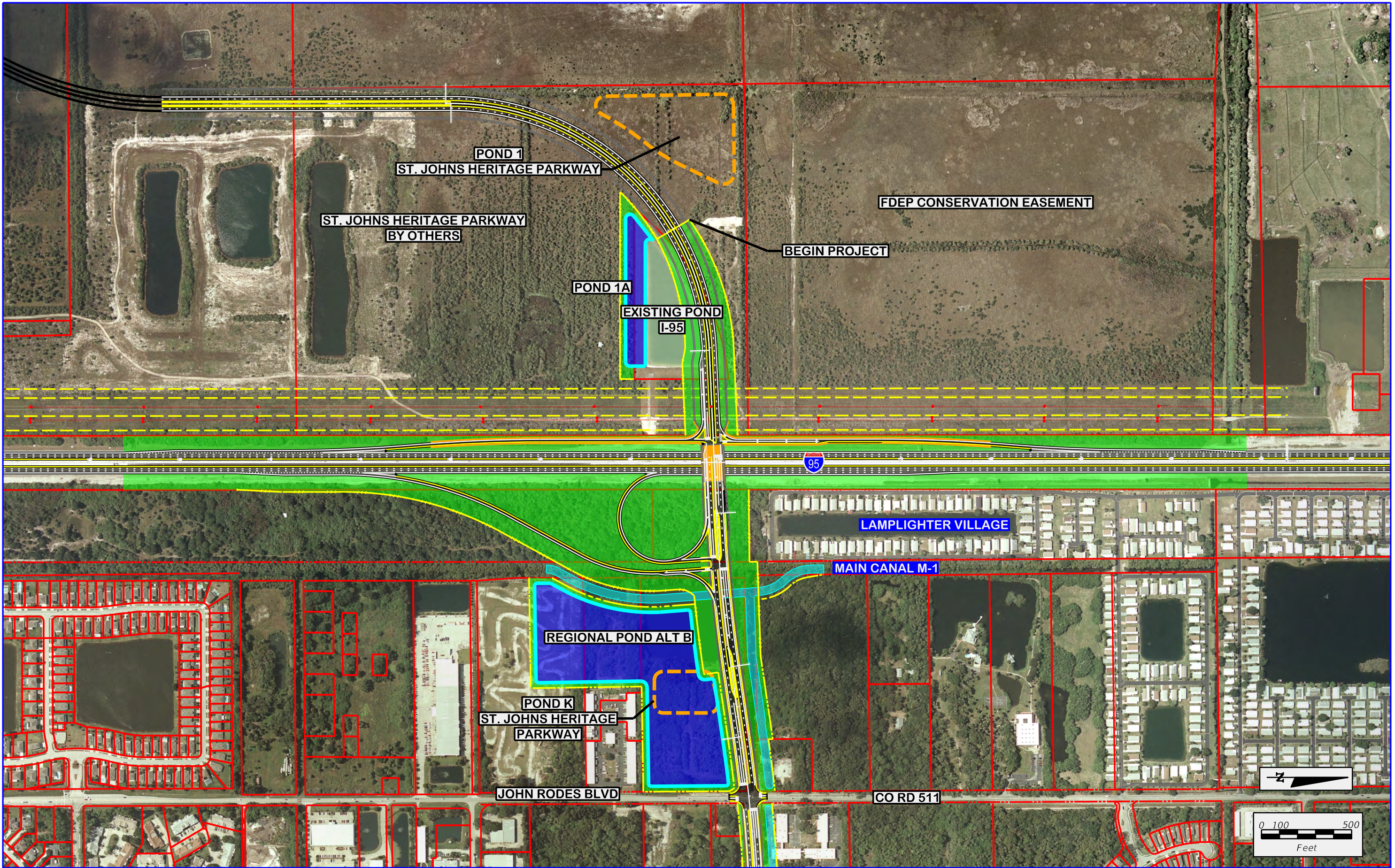
SHEET
NO.
i

An aerial photograph of a suburban area with a road interchange concept overlaid. The image shows a grid of streets, residential buildings, and green spaces. A road interchange is highlighted in a light blue color, showing a multi-level crossing of roads. The text is centered over the image.

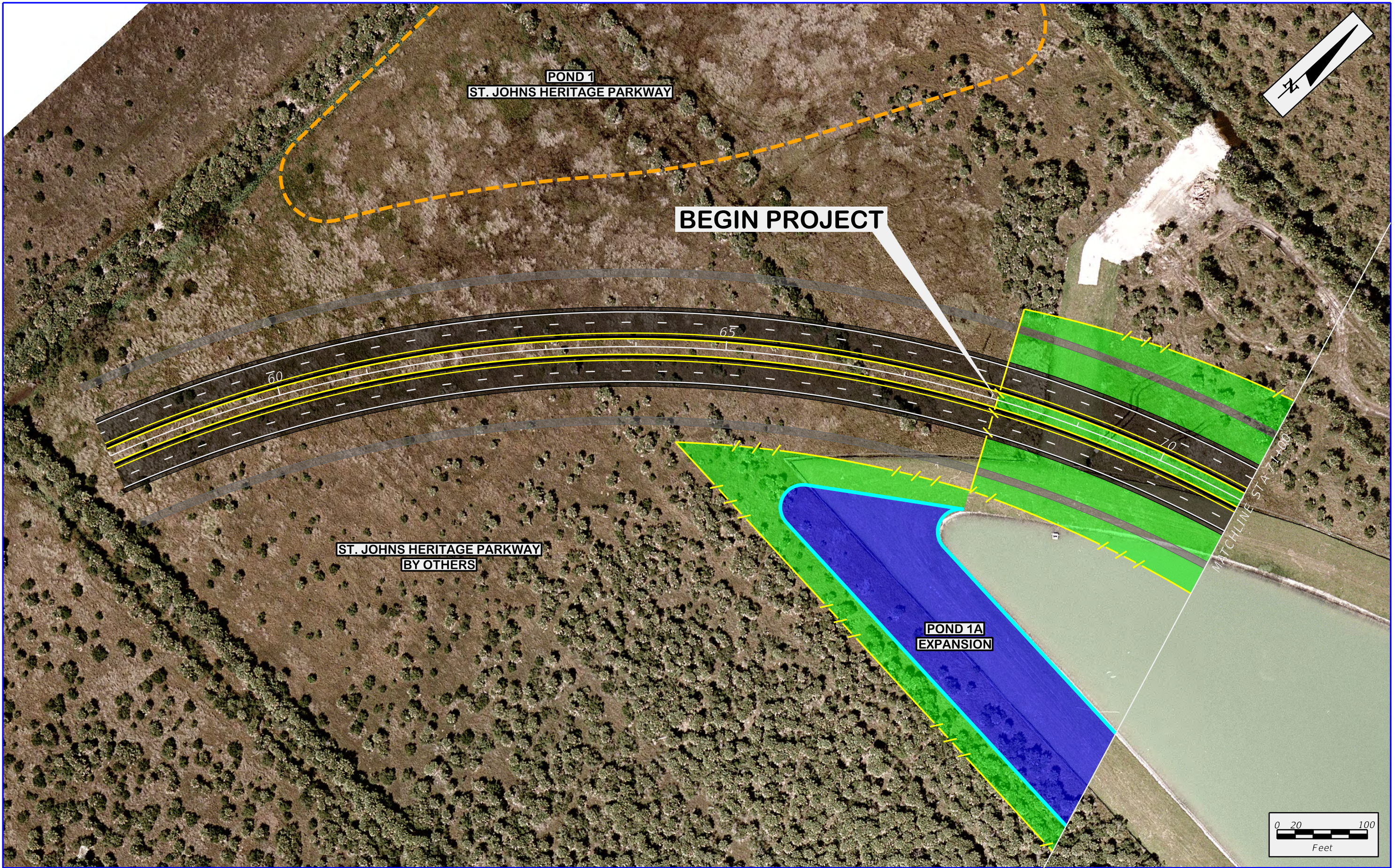
**I-95 AT ELLIS ROAD
PD&E STUDY**


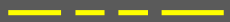
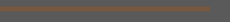




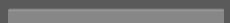



INTERCHANGE CONCEPT

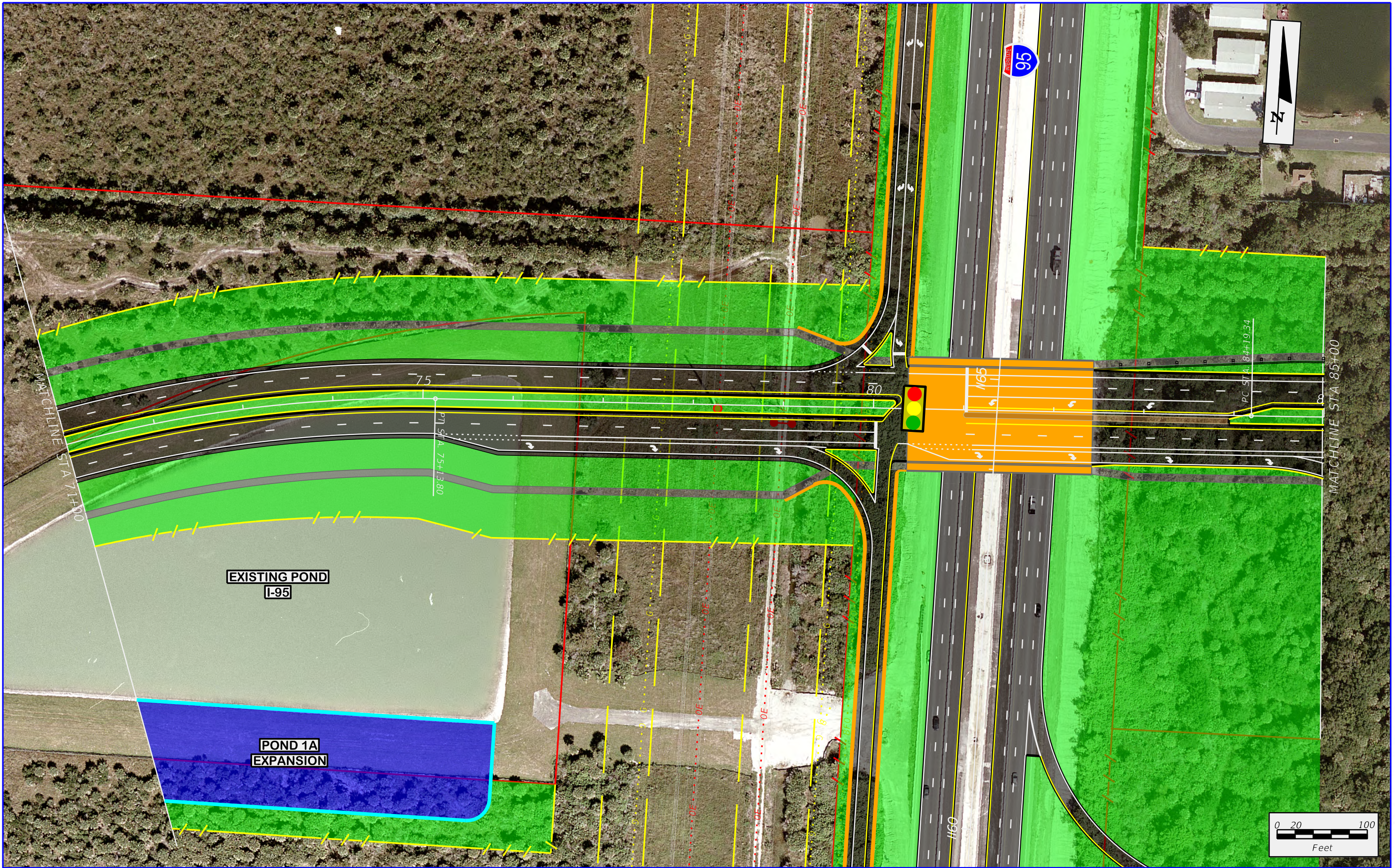
PREFERRED ALTERNATIVE



	I-95 AT ELLIS ROAD PROJECT DEVELOPMENT AND ENVIRONMENT STUDY	EXISTING R/W	PROPOSED R/W	CONCRETE MEDIAN	APPENDIX B PREFERRED ALTERNATIVE	SHEET NO.
		EXISTING L/A	PROPOSED L/A	CANAL		B-1
		EXISTING EASEMENT	SIDEWALK	RETAINING WALL		
		PROPERTY LINE	GRASSED AREA			



	EXISTING R/W		PROPOSED R/W		CONCRETE MEDIAN
	EXISTING L/A		PROPOSED L/A		CANAL
	EXISTING EASEMENT		SIDEWALK		RETAINING WALL
	PROPERTY LINE		GRASSED AREA		

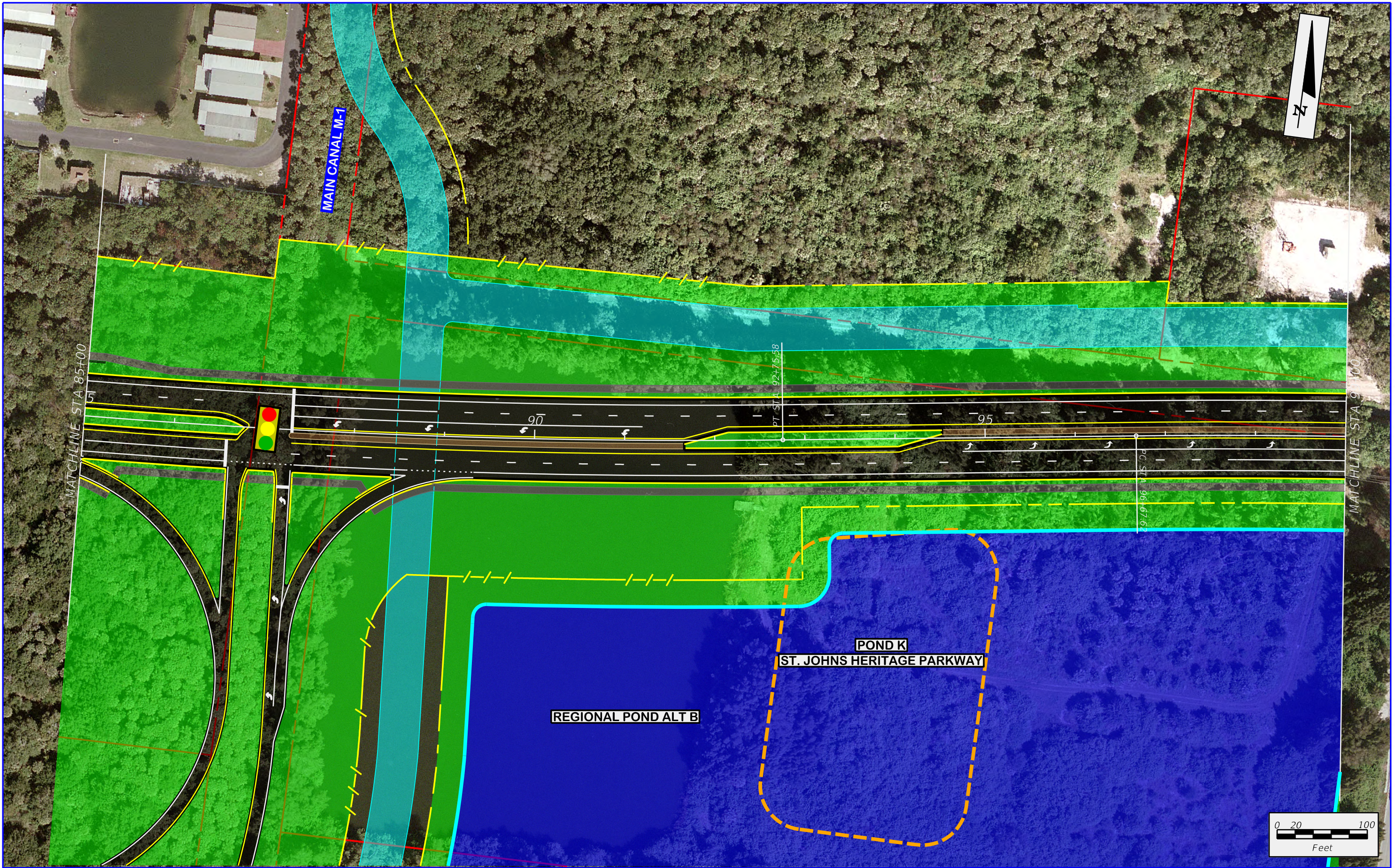


I-95 AT ELLIS ROAD
PROJECT DEVELOPMENT AND ENVIRONMENT STUDY

- | | | | | | |
|--|-------------------|--|--------------|--|-----------------|
| | EXISTING R/W | | PROPOSED R/W | | CONCRETE MEDIAN |
| | EXISTING L/A | | PROPOSED L/A | | CANAL |
| | EXISTING EASEMENT | | SIDEWALK | | RETAINING WALL |
| | PROPERTY LINE | | GRASSED AREA | | |

APPENDIX B
PREFERRED ALTERNATIVE

SHEET NO.
 B-3



	EXISTING R/W		PROPOSED R/W		CONCRETE MEDIAN
	EXISTING L/A		PROPOSED L/A		CANAL
	EXISTING EASEMENT		SIDEWALK		RETAINING WALL
	PROPERTY LINE		GRASSED AREA		

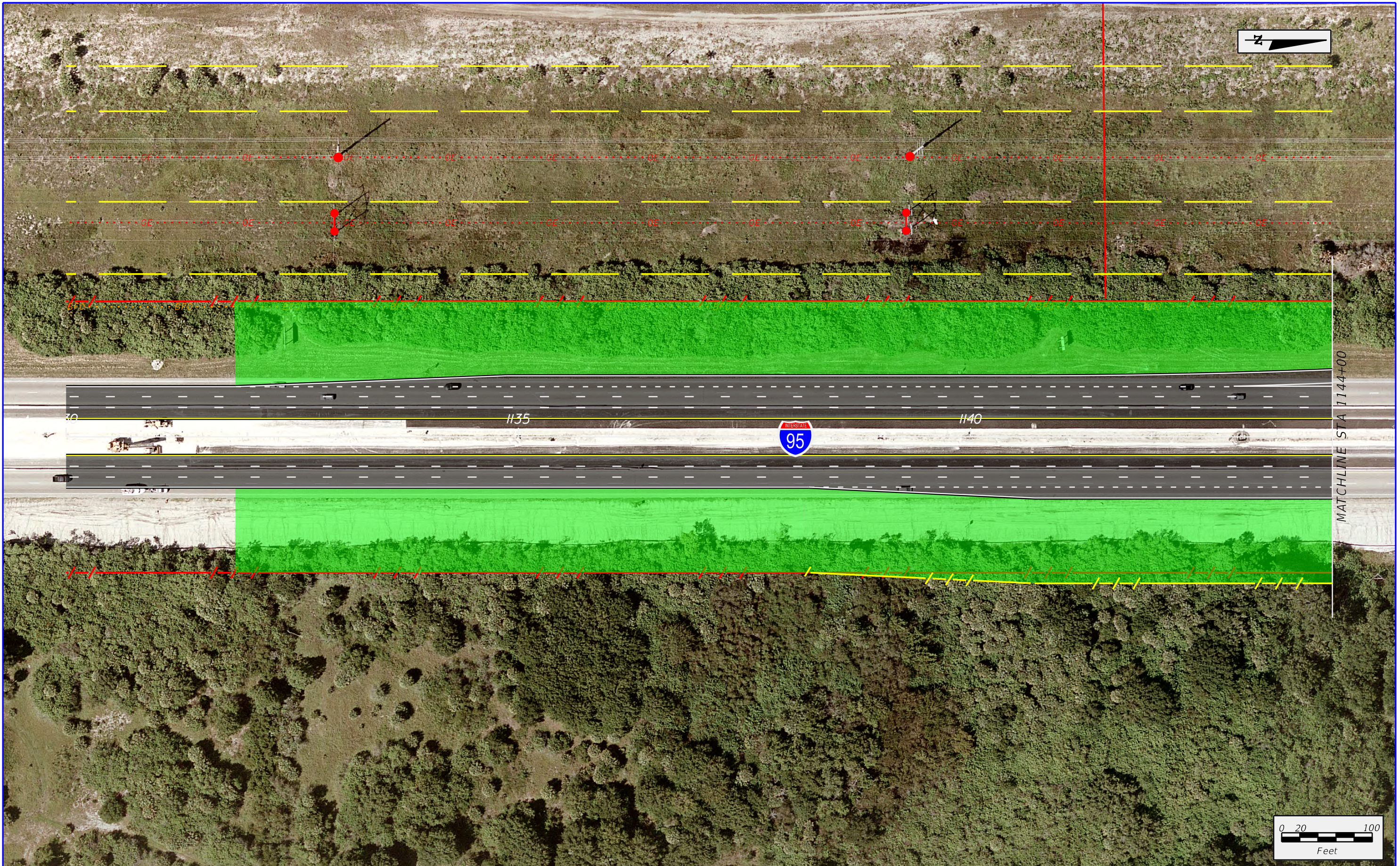


**I-95 AT ELLIS ROAD
PROJECT DEVELOPMENT AND ENVIRONMENT STUDY**

	EXISTING R/W		PROPOSED R/W		CONCRETE MEDIAN
	EXISTING L/A		PROPOSED L/A		CANAL
	EXISTING EASEMENT PROPERTY LINE		SIDEWALK		RETAINING WALL
			GRASSED AREA		

**APPENDIX B
PREFERRED ALTERNATIVE**

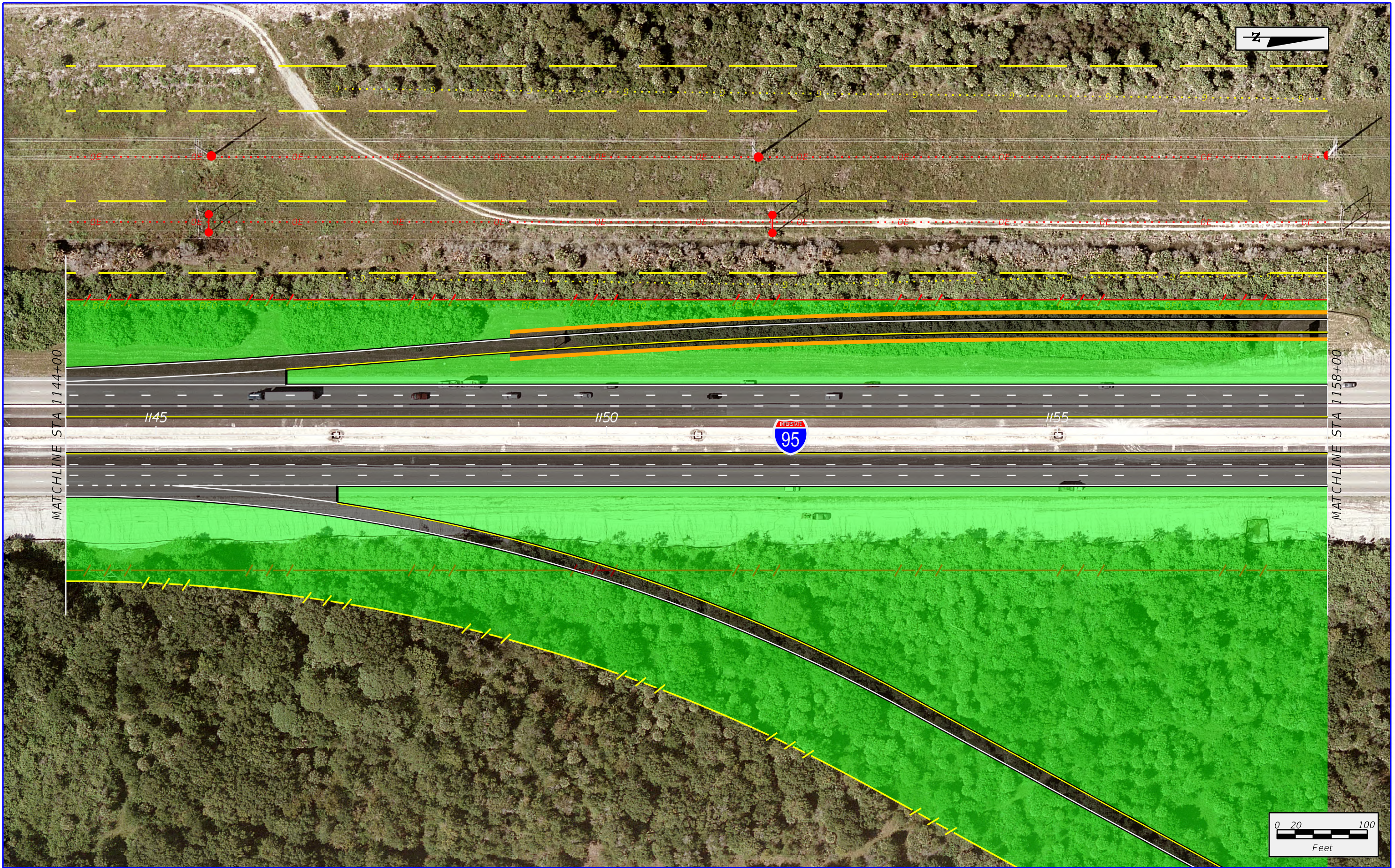
SHEET NO.
B-5



I-95 AT ELLIS ROAD
PROJECT DEVELOPMENT AND ENVIRONMENT STUDY

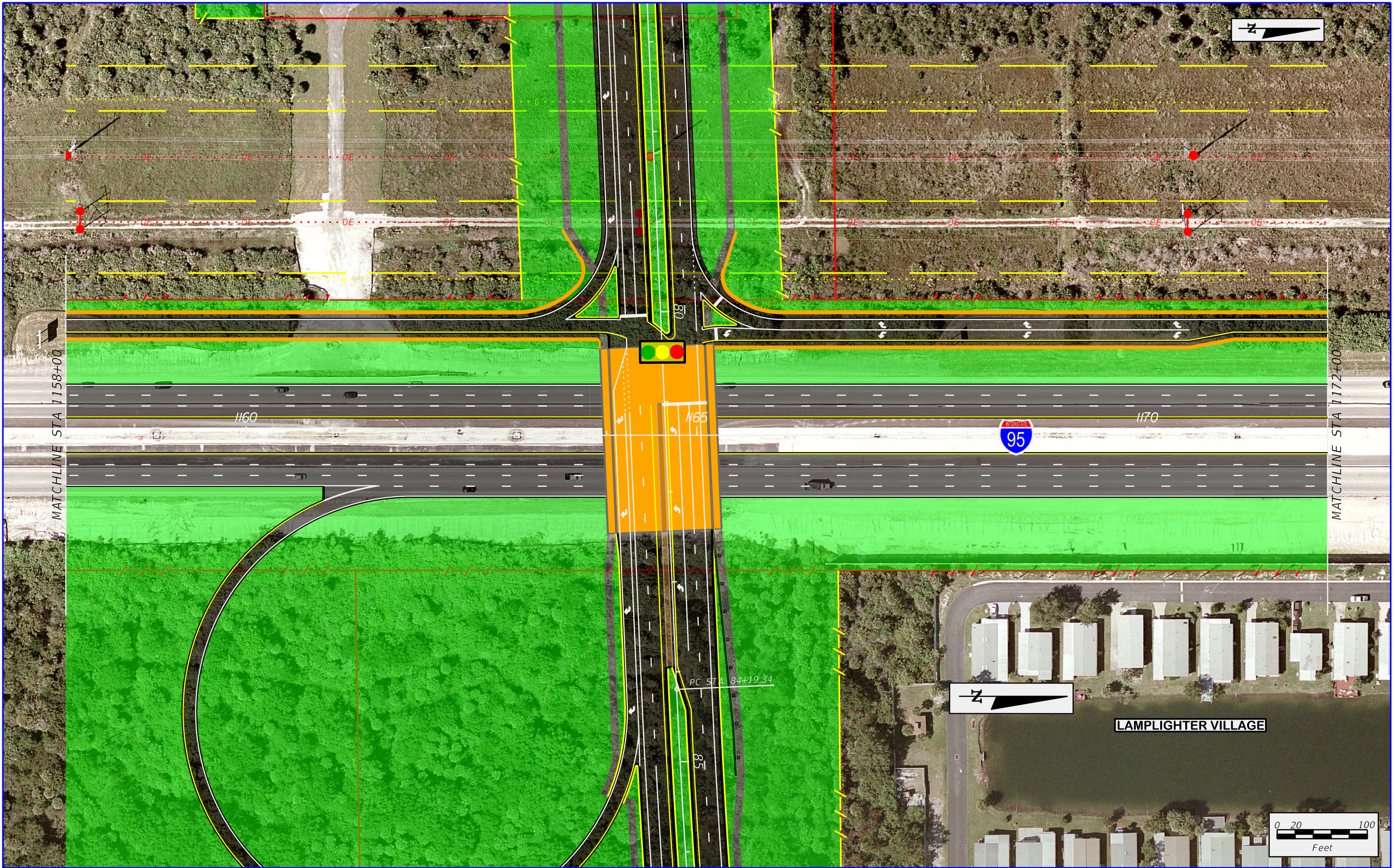
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	EXISTING L/A		PROPOSED L/A		CANAL
	EXISTING EASEMENT		SIDEWALK		RETAINING WALL
	PROPERTY LINE		GRASSED AREA		

APPENDIX B
PREFERRED ALTERNATIVE

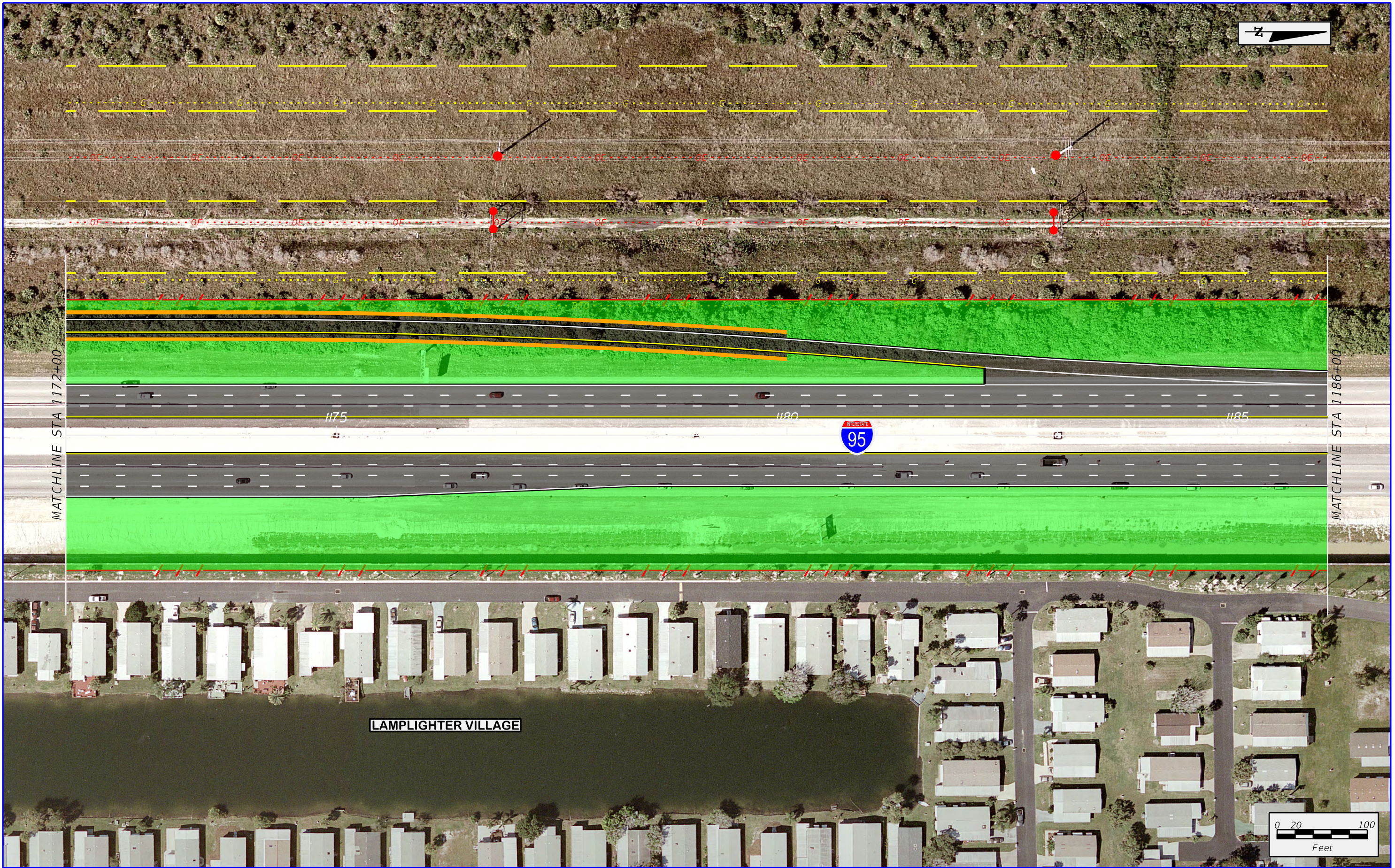


	EXISTING R/W		PROPOSED R/W
	EXISTING L/A		PROPOSED L/A
	EXISTING EASEMENT		SIDEWALK
	PROPERTY LINE		GRASSED AREA

	CONCRETE MEDIAN CANAL
	RETAINING WALL



	I-95 AT ELLIS ROAD PROJECT DEVELOPMENT AND ENVIRONMENT STUDY	EXISTING R/W	PROPOSED R/W	CONCRETE MEDIAN	APPENDIX B PREFERRED ALTERNATIVE	SHEET NO.
		EXISTING L/A	PROPOSED L/A	CANAL		B-8
		EXISTING EASEMENT	SIDEWALK	RETAINING WALL		
		PROPERTY LINE	GRASSED AREA			



MATCHLINE STA 1172+00

MATCHLINE STA 1186+00

1175

1180

1185







LAMPLIGHTER VILLAGE

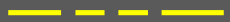

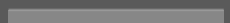



	I-95 AT ELLIS ROAD PROJECT DEVELOPMENT AND ENVIRONMENT STUDY	EXISTING R/W	PROPOSED R/W	CONCRETE MEDIAN	APPENDIX B PREFERRED ALTERNATIVE	SHEET NO.
		EXISTING L/A	PROPOSED L/A	CANAL		B-9
		EXISTING EASEMENT	SIDEWALK	RETAINING WALL		
		PROPERTY LINE	GRASSED AREA			



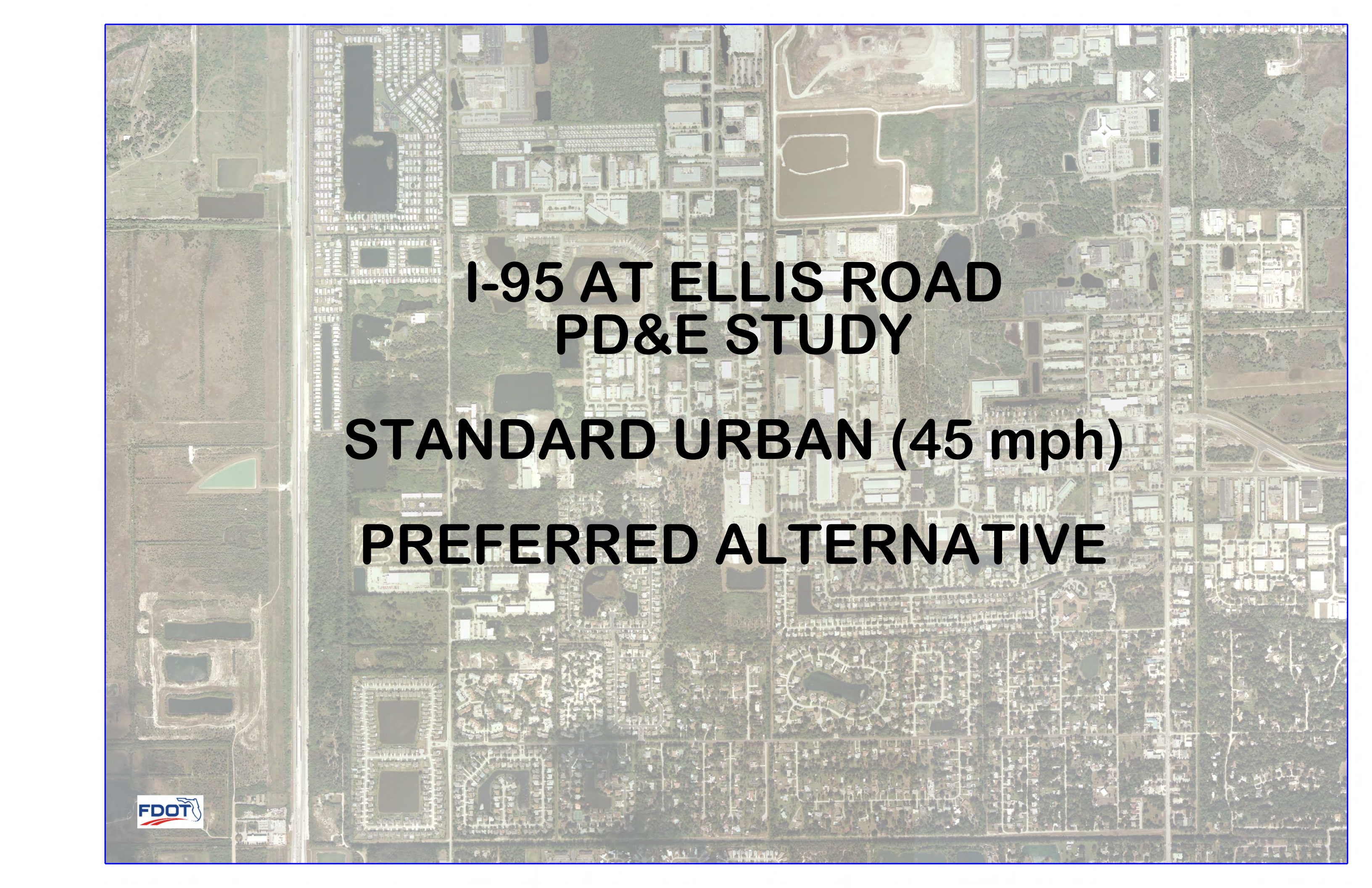
I-95 AT ELLIS ROAD
PROJECT DEVELOPMENT AND ENVIRONMENT STUDY

-  EXISTING R/W
-  EXISTING L/A
-  EXISTING EASEMENT
-  PROPERTY LINE

-  PROPOSED R/W
-  PROPOSED L/A
-  SIDEWALK
-  GRASSED AREA

-  CONCRETE MEDIAN
-  CANAL
-  RETAINING WALL

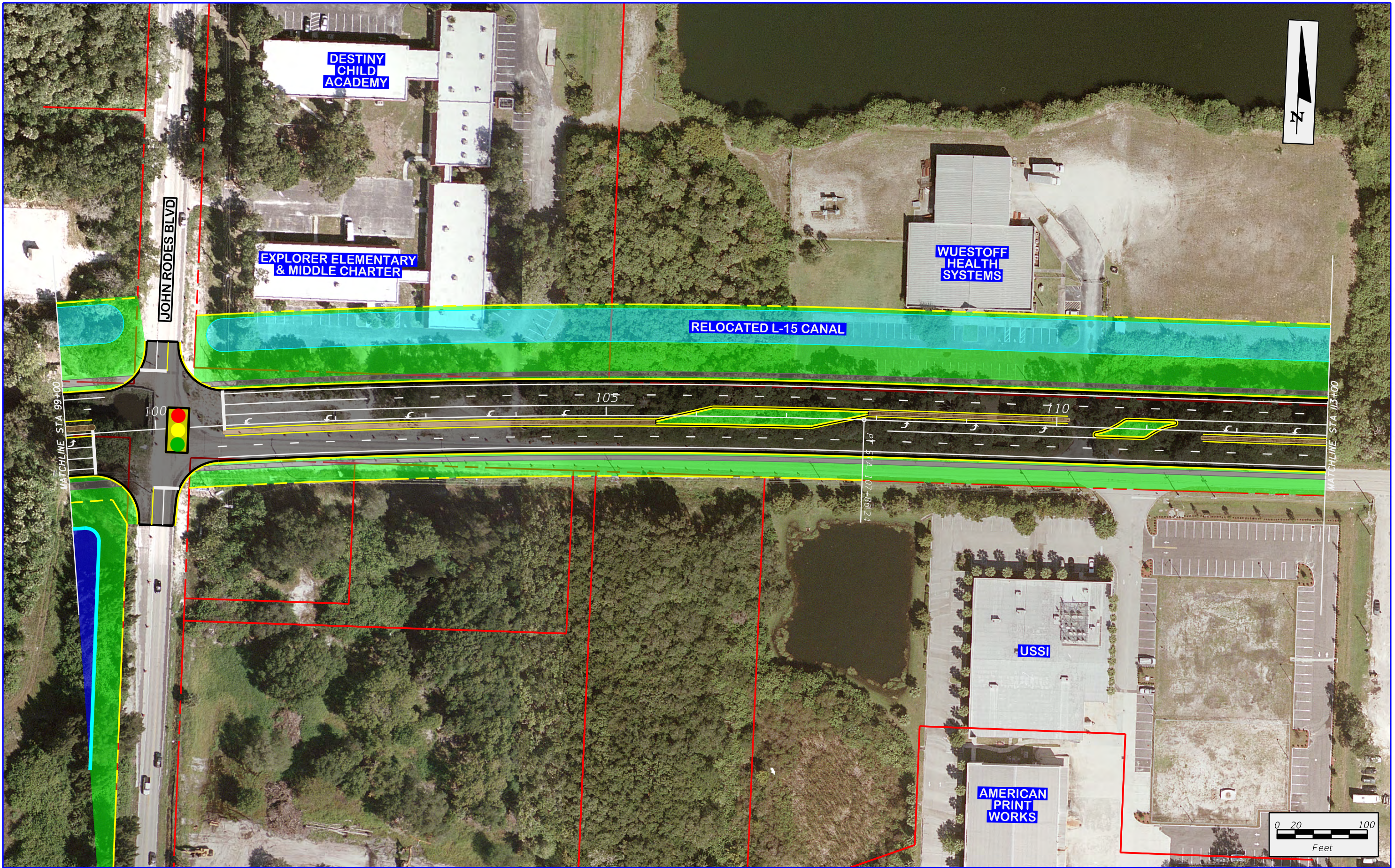
APPENDIX B
PREFERRED ALTERNATIVE



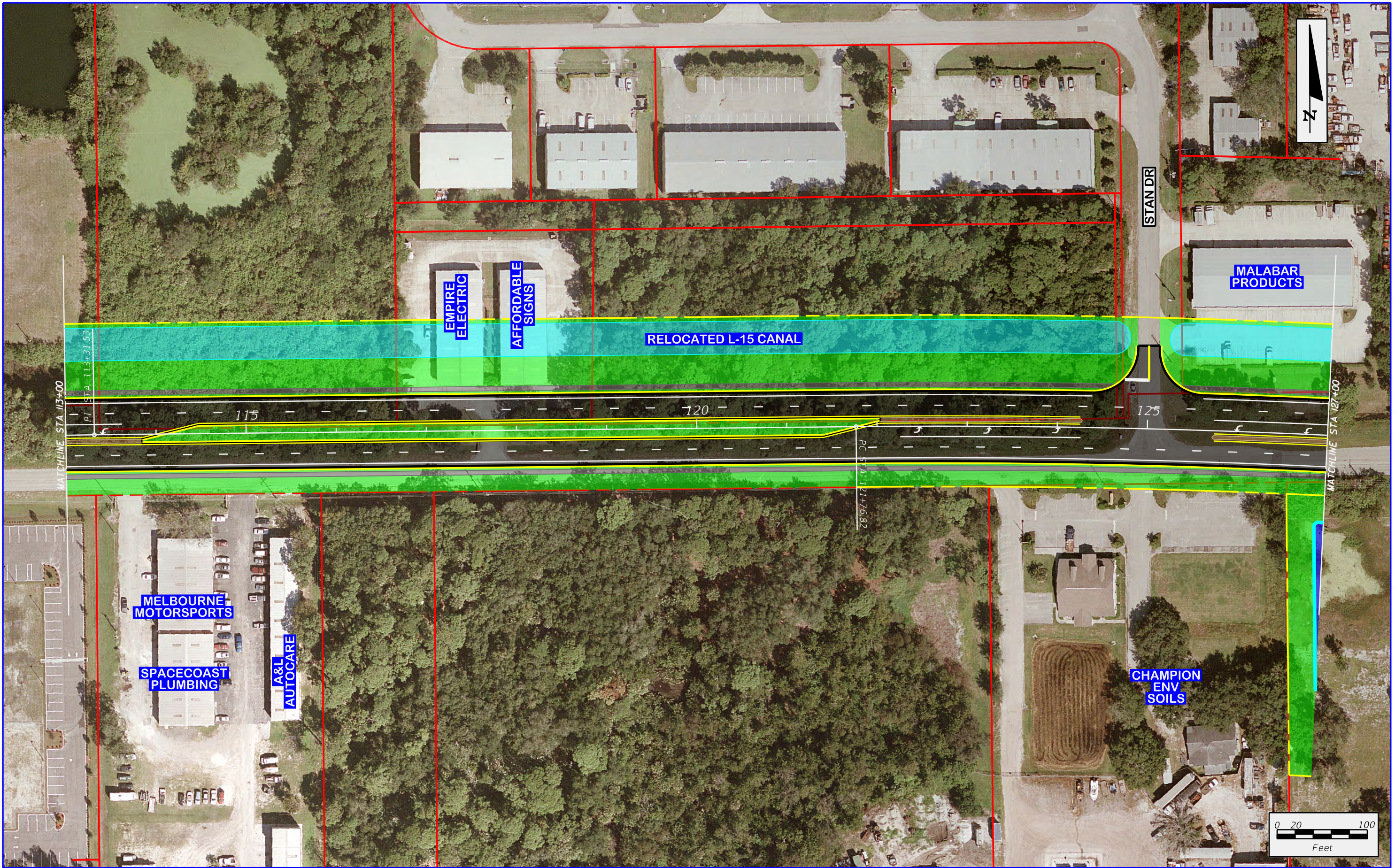
**I-95 AT ELLIS ROAD
PD&E STUDY**

STANDARD URBAN (45 mph)

PREFERRED ALTERNATIVE



	EXISTING R/W		PROPOSED R/W		CONCRETE MEDIAN
	EXISTING L/A		PROPOSED L/A		CANAL
	EXISTING EASEMENT		SIDEWALK		RETAINING WALL
	PROPERTY LINE		GRASSED AREA		

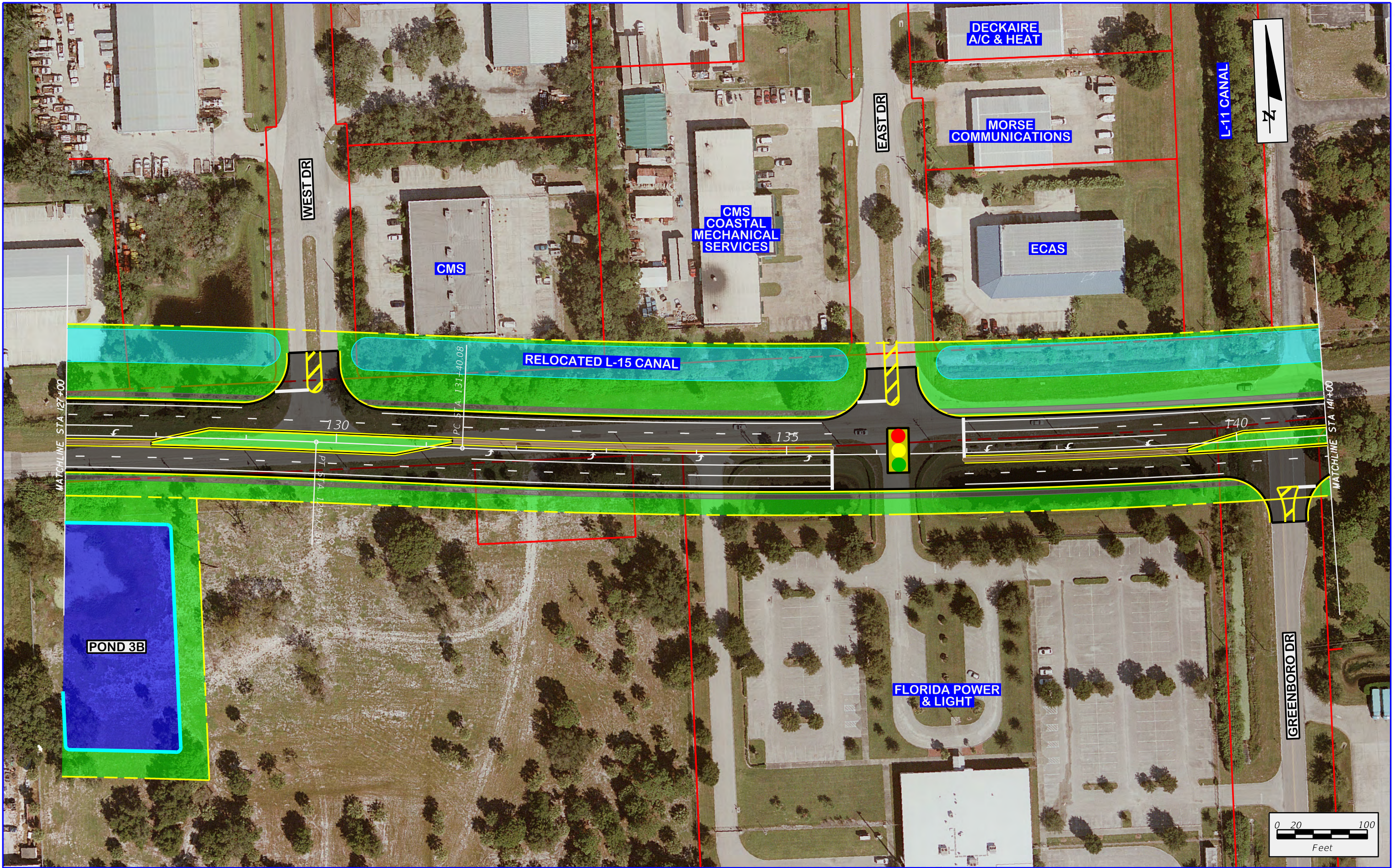


**I-95 AT ELLIS ROAD
PROJECT DEVELOPMENT AND ENVIRONMENT STUDY**

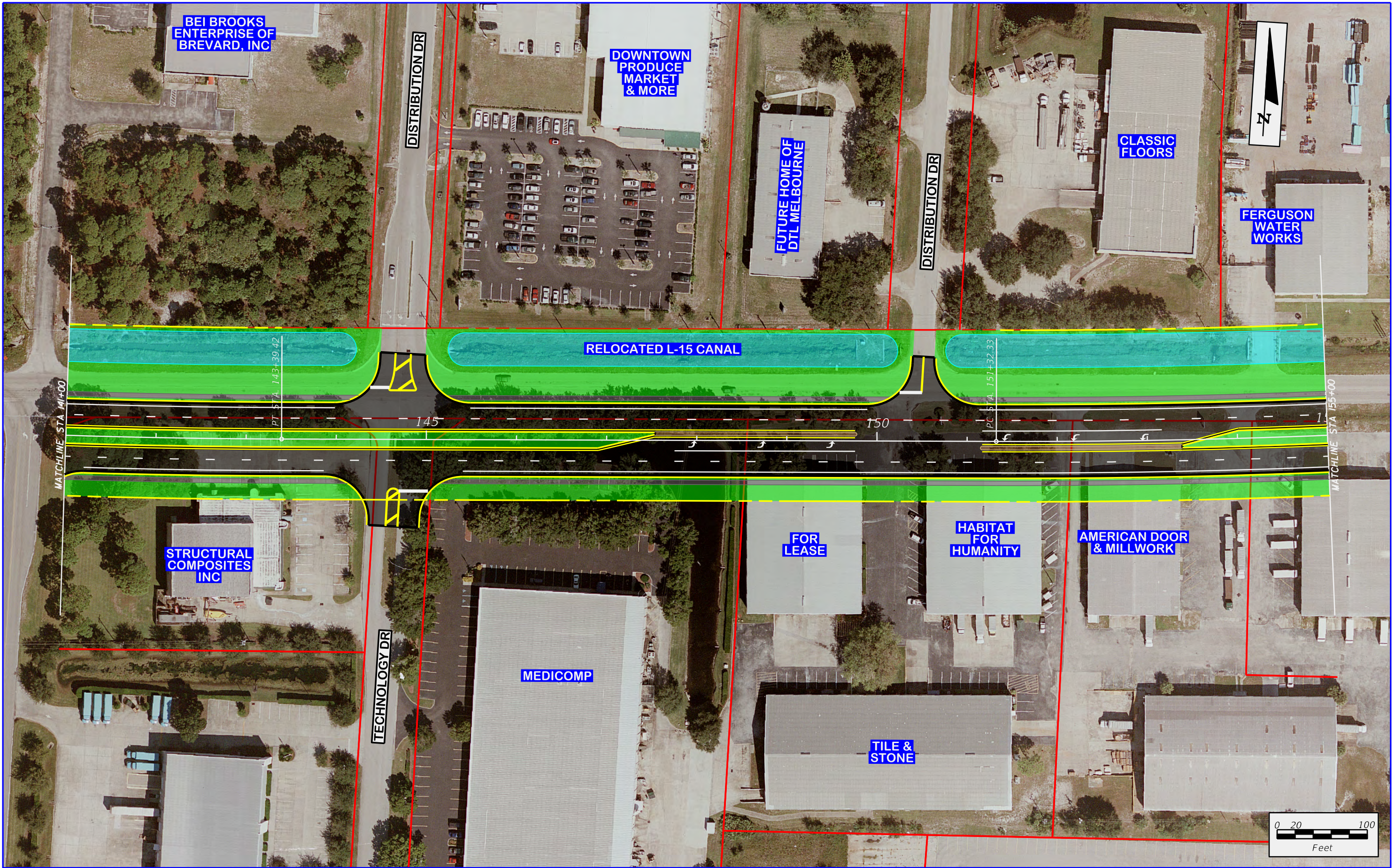
	EXISTING R/W		PROPOSED R/W		CONCRETE MEDIAN
	EXISTING L/A		PROPOSED L/A		CANAL
	EXISTING EASEMENT		SIDEWALK		RETAINING WALL
	PROPERTY LINE		GRASSED AREA		

**APPENDIX B
PREFERRED ALTERNATIVE**

SHEET NO.
B-12



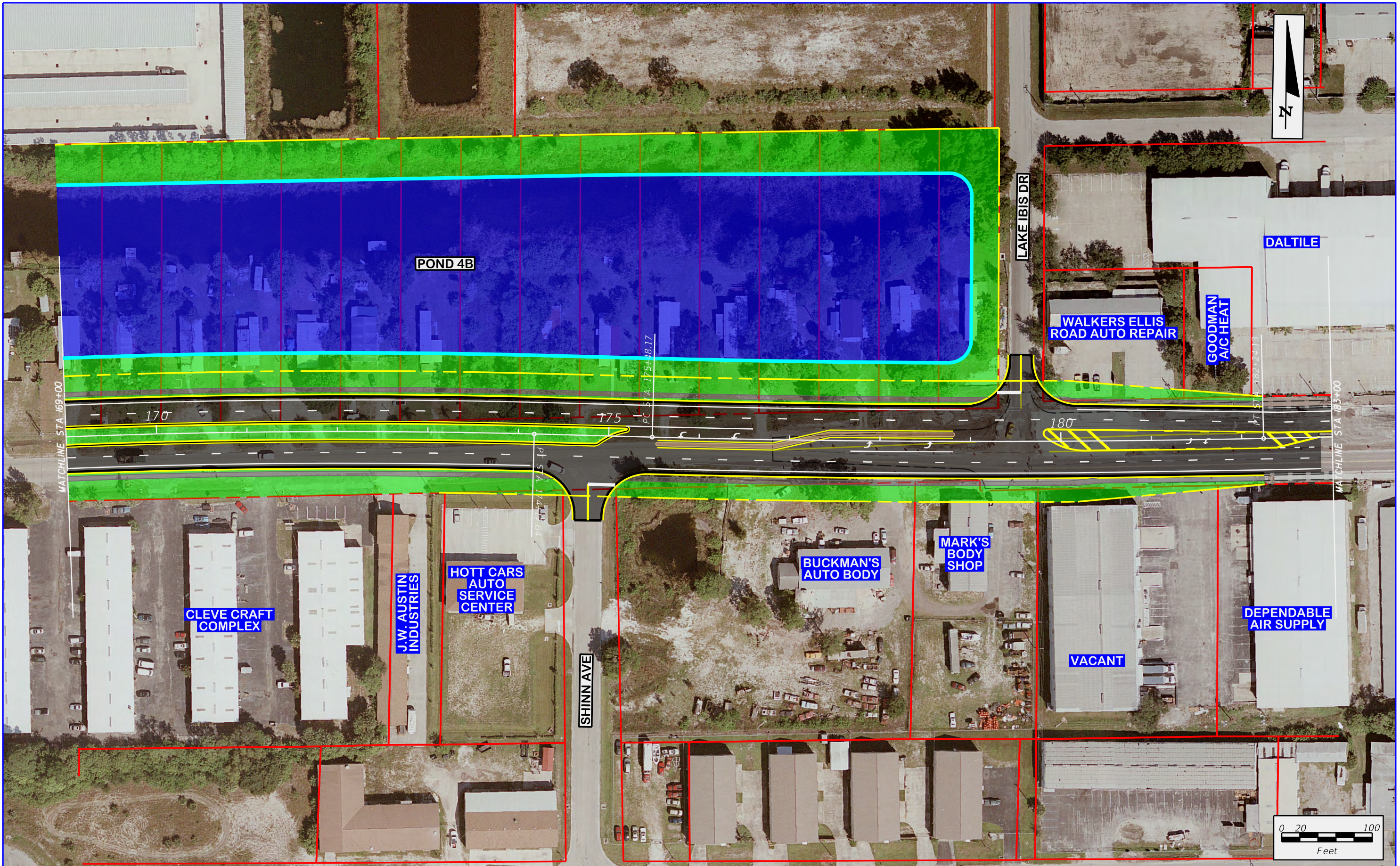
	EXISTING R/W		PROPOSED R/W		CONCRETE MEDIAN
	EXISTING L/A		PROPOSED L/A		CANAL
	EXISTING EASEMENT		SIDEWALK		RETAINING WALL
	PROPERTY LINE		GRASSED AREA		



	EXISTING R/W		PROPOSED R/W		CONCRETE MEDIAN
	EXISTING L/A		PROPOSED L/A		CANAL
	EXISTING EASEMENT		SIDEWALK		RETAINING WALL
	PROPERTY LINE		GRASSED AREA		



	EXISTING R/W		PROPOSED R/W		CONCRETE MEDIAN
	EXISTING L/A		PROPOSED L/A		CANAL
	EXISTING EASEMENT		SIDEWALK		RETAINING WALL
	PROPERTY LINE		GRASSED AREA		



I-95 AT ELLIS ROAD
PROJECT DEVELOPMENT AND ENVIRONMENT STUDY

	EXISTING R/W		PROPOSED R/W		CONCRETE MEDIAN
	EXISTING L/A		PROPOSED L/A		CANAL
	EXISTING EASEMENT		SIDEWALK		RETAINING WALL
	PROPERTY LINE		GRASSED AREA		

APPENDIX B
PREFERRED ALTERNATIVE

SHEET NO.
 B-16



**I-95 AT ELLIS ROAD
PROJECT DEVELOPMENT AND ENVIRONMENT STUDY**

	EXISTING R/W		PROPOSED R/W		CONCRETE MEDIAN
	EXISTING L/A		PROPOSED L/A		CANAL
	EXISTING EASEMENT		SIDEWALK		RETAINING WALL
	PROPERTY LINE		GRASSED AREA		

**APPENDIX B
PREFERRED ALTERNATIVE**

SHEET NO.
B-17

PREFERRED ALTERNATIVE ALIGNMENT

<* 1 DESCRIBE CHAIN CL124

Chain CL124 contains:

CL24101 CUR CL124-1 CUR CL124-2 CUR CL124-3 CL24102 CUR CL124-4 CUR CL124-5 CUR CL124-6 CUR CL124-7 CUR CL124-8 CL24103

Beginning chain CL124 description

Point CL24101 N 1,367,124.02 E 748,963.60 Sta 52+95.64

Course from CL24101 to PC CL124-1 N 0° 06' 47.23" W Dist 28.58

Curve Data

Curve CL124-1

P.I. Station 66+97.63 N 1,368,526.01 E 748,960.84
 Delta = 87° 36' 25.63" (RT)
 Degree = 4° 00' 03.97"
 Tangent = 1,373.41
 Length = 2,189.57
 Radius = 1,432.00
 External = 552.16
 Long Chord = 1,982.43
 Mid. Ord. = 398.50
 P.C. Station 53+24.23 N 1,367,152.60 E 748,963.55
 P.T. Station 75+13.80 N 1,368,586.06 E 750,332.93
 C.C. N 1,367,155.43 E 750,395.54
 Back = N 0° 06' 47.23" W
 Ahead = N 87° 29' 38.40" E
 Chord Bear = N 43° 41' 25.59" E

Course from PT CL124-1 to PC CL124-2 N 87° 29' 38.40" E Dist 905.54

Curve Data

Curve CL124-2

P.I. Station 88+47.83 N 1,368,644.39 E 751,665.69
 Delta = 5° 50' 25.26" (LT)
 Degree = 0° 40' 55.53"
 Tangent = 428.49
 Length = 856.24
 Radius = 8,400.00
 External = 10.92
 Long Chord = 855.87
 Mid. Ord. = 10.91
 P.C. Station 84+19.34 N 1,368,625.65 E 751,237.61
 P.T. Station 92+75.58 N 1,368,706.59 E 752,089.64
 C.C. N 1,377,017.62 E 750,870.32
 Back = N 87° 29' 38.40" E (continued on next column)

Ahead = N 81° 39' 13.14" E
 Chord Bear = N 84° 34' 25.77" E

Course from PT CL124-2 to PC CL124-3 N 81° 39' 13.14" E Dist 392.03

Curve Data

Curve CL124-3

P.I. Station 102+27.76 N 1,368,844.80 E 753,031.73
 Delta = 7° 37' 48.28" (RT)
 Degree = 0° 40' 55.53"
 Tangent = 560.14
 Length = 1,118.63
 Radius = 8,400.00
 External = 18.66
 Long Chord = 1,117.80
 Mid. Ord. = 18.61
 P.C. Station 96+67.62 N 1,368,763.49 E 752,477.52
 P.T. Station 107+86.24 N 1,368,851.80 E 753,591.83
 C.C. N 1,360,452.46 E 753,696.84
 Back = N 81° 39' 13.14" E
 Ahead = N 89° 17' 01.42" E
 Chord Bear = N 85° 28' 07.28" E

Course from PT CL124-3 to CL24102 N 89° 17' 01.42" E Dist 545.29

Point CL24102 N 1,368,858.62 E 754,137.08 Sta 113+31.53

Course from CL24102 to PC CL124-4 N 89° 34' 29.75" E Dist 845.29

Curve Data

Curve CL124-4

P.I. Station 125+77.62 N 1,368,867.87 E 755,383.13
 Delta = 5° 05' 59.17" (RT)
 Degree = 0° 38' 11.83"
 Tangent = 400.80
 Length = 801.07
 Radius = 9,000.00
 External = 8.92
 Long Chord = 800.81
 Mid. Ord. = 8.91
 P.C. Station 121+76.82 N 1,368,864.89 E 754,982.34
 P.T. Station 129+77.89 N 1,368,835.20 E 755,782.59
 C.C. N 1,359,865.14 E 755,049.11
 Back = N 89° 34' 29.75" E
 Ahead = S 85° 19' 31.09" E
 Chord Bear = S 87° 52' 30.67" E

(continued on next page, left column)

PREFERRED ALTERNATIVE ALIGNMENT

Course from PT CL124-4 to PC CL124-5 S 85° 19' 31.09" E Dist 162.19

Curve Data

Curve CL124-5

P.I. Station 137+40.77 N 1,368,773.03 E 756,542.94
 Delta = 8° 10' 50.26" (LT)
 Degree = 0° 40' 55.53"
 Tangent = 600.69
 Length = 1,199.34
 Radius = 8,400.00
 External = 21.45
 Long Chord = 1,198.32
 Mid. Ord. = 21.40
 P.C. Station 131+40.08 N 1,368,821.98 E 755,944.24
 P.T. Station 143+39.42 N 1,368,809.76 E 757,142.50
 C.C. N 1,377,194.04 E 756,628.83
 Back = S 85° 19' 31.09" E
 Ahead = N 86° 29' 38.65" E
 Chord Bear = S 89° 24' 56.22" E

Course from PT CL124-5 to PC CL124-6 N 86° 29' 38.65" E Dist 792.91

Curve Data

Curve CL124-6

P.I. Station 155+43.80 N 1,368,883.41 E 758,344.63
 Delta = 5° 36' 31.21" (LT)
 Degree = 0° 40' 55.53"
 Tangent = 411.47
 Length = 822.27
 Radius = 8,400.00
 External = 10.07
 Long Chord = 821.95
 Mid. Ord. = 10.06
 P.C. Station 151+32.33 N 1,368,858.25 E 757,933.93
 P.T. Station 159+54.60 N 1,368,948.59 E 758,750.90
 C.C. N 1,377,242.53 E 757,420.26
 Back = N 86° 29' 38.65" E
 Ahead = N 80° 53' 07.44" E
 Chord Bear = N 83° 41' 23.05" E

Course from PT CL124-6 to PC CL124-7 N 80° 53' 07.44" E Dist 101.07

(continued on next column)

Curve Data

Curve CL124-7

P.I. Station 167+38.31 N 1,369,072.74 E 759,524.71
 Delta = 9° 45' 15.72" (RT)
 Degree = 0° 42' 58.31"
 Tangent = 682.63
 Length = 1,361.97
 Radius = 8,000.00
 External = 29.07
 Long Chord = 1,360.32
 Mid. Ord. = 28.97
 P.C. Station 160+55.68 N 1,368,964.60 E 758,850.69
 P.T. Station 174+17.64 N 1,369,065.12 E 760,207.30
 C.C. N 1,361,065.61 E 760,117.97
 Back = N 80° 53' 07.44" E
 Ahead = S 89° 21' 36.83" E
 Chord Bear = N 85° 45' 45.30" E

Course from PT CL124-7 to PC CL124-8 S 89° 21' 36.83" E Dist 130.53

Curve Data

Curve CL124-8

P.I. Station 178+86.22 N 1,369,059.88 E 760,675.85
 Delta = 2° 45' 59.06" (LT)
 Degree = 0° 24' 33.32"
 Tangent = 338.05
 Length = 675.96
 Radius = 14,000.00
 External = 4.08
 Long Chord = 675.89
 Mid. Ord. = 4.08
 P.C. Station 175+48.17 N 1,369,063.66 E 760,337.82
 P.T. Station 182+24.13 N 1,369,072.43 E 761,013.66
 C.C. N 1,383,062.78 E 760,494.14
 Back = S 89° 21' 36.83" E
 Ahead = N 87° 52' 24.11" E
 Chord Bear = N 89° 15' 23.64" E

Course from PT CL124-8 to CL24103 N 87° 52' 24.11" E Dist 720.03

Point CL24103 N 1,369,099.15 E 761,733.19 Sta 189+44.16

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Ending chain CL124 description